

REMARKS

Claims 2, 7-36 and 38 are pending in the present application. Claims 10-36 and 38 are withdrawn from consideration. Claims 1 and 3-6 are herein canceled. Claims 2 and 7-9 are herein amended. No new matter has been entered.

Allowable Subject Matter

Claims 7-9 were objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claim 7 has been amended into independent form to include the limitations of claims 1 and 6. Claims 2, 8 and 9 depend from claim 7.

Withdrawal of the Objection is requested.

Claim Rejections - 35 U.S.C. § 112

Claims 1 and 2 were rejected under 35 U.S.C. § 112, first paragraph, as failing to comply with the written description requirement. Favorable reconsideration is requested.

The rejection is addressed with reference to claims 2 and 7 since claim 7 has been amended to include the limitations of claim 1.

The Office Action takes the position that the addition of the limitation “intra-molecule bonding” is not supported in the specification.

Applicants respectfully submit that the specification supports the added limitation “intra-molecule bonding.” For example, the specification states that “by crosslinking the bonding residues *in a molecular structure*, nano-particles and nano-wires can be produced.” (*E.g.*,

specification, pages 3-4, emphasis added; *see also* page 15, “within the molecular structure.”) The prefix “intra” means “within.” American Heritage Dictionary, Office Addition, page 365 (1983). Crosslinking bonding residues in a molecular structure, creates bonds within a molecular structure, and thus creates intra-molecule bonds.

Furthermore, the specification states:

[i]n order to combine (crosslink) bonding residues mutually or molecular structures each other, the bonding residue may be directly excited to induce an intramolecular bonding or an intermolecular bonding.

(Specification, page 18.)

Withdrawal of the § 112 rejection is requested.

In view of the aforementioned amendments and accompanying remarks, Applicants submit that the claims, as herein amended, are in condition for allowance. Applicants request such action at an early date.

If the Examiner believes that this application is not now in condition for allowance, the Examiner is requested to contact Applicants’ undersigned attorney to arrange for an interview to expedite the disposition of this case.

Application No. 10/509,380
Attorney Docket No. 042757

Amendment under 37 C.F.R. §1.116
Amendment Filed: May 18, 2007

If this paper is not timely filed, Applicants respectfully petition for an appropriate extension of time. The fees for such an extension or any other fees that may be due with respect to this paper may be charged to Deposit Account No. 50-2866.

Respectfully submitted,

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